

Sprint Review 5

Sprint 1 (3/29/2021 – 4/09/2021)

Team #4

Scrum Master: Julia VanLandingham

Product Owner: Connor May

Developers: Chris Geidans and Kaitlin Dosch

Goal:

This sprint our goal was to get meaningful data from both the Extensometer and the Load Cell. We wanted also to be able to export the data and run a tensile test from start to finish.

Stories Completed:

- Zero cross section values when switching modes
- Research marking critical points on plot
- Make the yes and no on pulling data close error message
- Create and executable
- Add fields for critical values
- Only update input values when ok is clicked
- Clean and refactor classes
- Create a way to pull data from the chip in real time
- Create export window
- Warn user about close before export
- Optional – add hot keys
- Prompt user to export upon stop
- Ability to zero the extensometer reading
- Convert voltage values to units
- Ability to average the data on the fly
- Implement finding the critical values on the graph
- Export data functionality
- Splash screen on startup and update icon

Stories Not Completed:

None.

Client Feedback

Dr. Hudoba expressed excitement with the data gathered during the tests of Low Carbon Galvanized Steel and was extremely pleased with the graphs. We discussed the need for variable speed possibly or adjustments to the speed as well as GUI changes to control channels and mode for the National Instruments Chip. Also, we discussed the need for data trimming to try and get a better set of data with less superfluous data points.

